

Blue Plains WWTP: Plant-wide Projects

A. Identification and Coding Information			PDF Date	October 1, 2023	Pressure Zones	
Agency Number	Project Number	Update Code	Date Revised	February 1, 2024	Drainage Basins	Bi-County 30
S - 000022.09	023805	Change			Planning Areas	Bi-County

B. Expenditure Schedule (000's)

Cost Elements	Total	Thru FY'23	Estimate FY'24	Total 6 Years	Year 1 FY'25	Year 2 FY'26	Year 3 FY'27	Year 4 FY'28	Year 5 FY'29	Year 6 FY'30	Beyond 6 Years
Planning, Design & Supervision											
Land											
Construction	140,180		15,063	113,198	15,775	19,271	23,316	20,698	21,299	12,839	11,919
Other	1,402		151	1,132	158	193	233	207	213	128	119
Total	141,582		15,214	114,330	15,933	19,464	23,549	20,905	21,512	12,967	12,038

C. Funding Schedule (000's)

WSSC Bonds	133,879		14,379	108,116	15,067	18,406	22,269	19,769	20,343	12,262	11,384
City of Rockville	7,703		835	6,214	866	1,058	1,280	1,136	1,169	705	654

D. Description & Justification

<p>DESCRIPTION</p> <p>This project provides funding for WSSC Water's share of Blue Plains plant-wide projects for which construction began after June 30, 1993. There are 28 DC Water capital program projects covered by the WSSC Water capital project. Current projects with significant spending in FY'25 include: electrical system upgrades (TZ); floodwall construction (JF); plant-site drainage improvements (OE); plant-wide program management (AL); plant-wide steel pipe painting (EI); chemical system/building upgrades (PF); and other miscellaneous projects. Starting in FY'26 will be electrical monitoring (IC). Starting in FY'28 are implementation of solar power at Blue Plains phase 2 (XP) and control system replacement (GW).</p> <p>BENEFIT</p> <p>Regulatory & Other Agreements: This project is required to meet regulatory requirements, multi-jurisdictional agreements, and/or consent decrees; Infrastructure Reinvestment: This project replaces existing infrastructure that has exceeded its useful life</p> <p>JUSTIFICATION</p> <p>This is a continuation of DC Water's upgrading of the Blue Plains Wastewater Treatment Plant. Blue Plains Inter-Municipal Agreement of 2012; DCWASA Master Plan (1998); Blue Plains Facilities Master Plan (2016); and DC Water's preliminary FY'24-FY'33 Capital Improvements Program.</p> <p>COST CHANGE</p> <p>The schedule and expenditure projections were updated to reflect the latest estimates available from DC Water for the constituent Blue Plains joint-use projects as of May 2023.</p> <p>OTHER</p> <p>The project scope has remained the same. Project costs are derived from the DC Water Capital Budget 10-year forecast of spending and DC Water's latest project management data, and reflect DC Water's cost estimates and expenditure schedules available at the time this document was prepared. Given the open-ended nature of the Blue Plains projects, this PDF does not fully reflect the total project costs. These projects are, in fact, expected to continue indefinitely. As new sub-projects are added to the Blue Plains facility plans, the associated costs will be added to this project. The funding schedule also indicates the calculated Rockville share of the cost.</p> <p>COORDINATION</p> <p>Coordinating Agencies: City of Rockville;(responsible for a share of funding); DC Water;(responsible for design and construction)</p> <p>Coordinating Projects: Not Applicable</p>
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E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance		
Debt Service	\$7,786	
Total Cost	\$7,786	
Impact on Water and Sewer Rate	\$0.02	

F. Approval and Expenditure Data (000's)	
Date First in Program	FY'95
Date First Approved	FY'02
Initial Cost Estimate	
Cost Estimate Last FY	128,926
Present Cost Estimate	141,582
Approved Request Last FY	15,214
Total Expense & Encumbrances	
Approval Request Year 1	15,933

G. Status Information	
Land Status	Not Applicable
Project Phase	On-Going
Percent Complete	0 %
Estimated Completion Date	On-Going

Growth	
System Improvement	100%
Environmental Regulation	
Population Served	
Capacity	169.6 / 370 MGD

H. Map
MAP NOT AVAILABLE